

International Physical Internet Conference 2021

Overcoming the Logistics Crisis in Japan Smart Logistics Services “Regional Logistics” Initiatives

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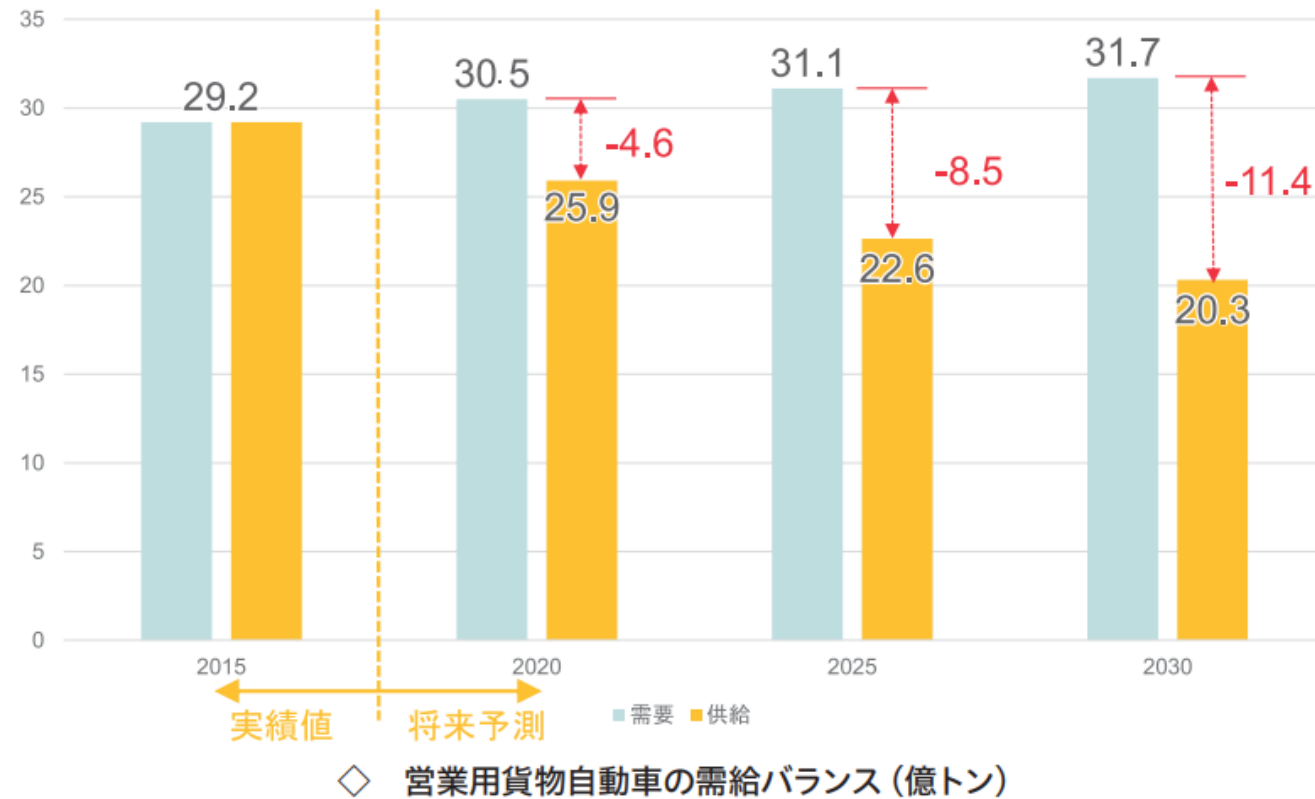
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- Declining birthrate, aging population, and declining working-age population
 - Serious labor shortages, especially in the logistics and retail industries

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- Sophistication of consumption, development of EC and personal trading
 - Progress in high-mix, low-volume, high-frequency logistics

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- Long cargo handling and waiting times for truck drivers
 - Increased workload due to high-mix, low-volume, and high-frequency production
 - Responding to tight lead times
 - Responding to the different requirements of each delivery destination

Labor shortage

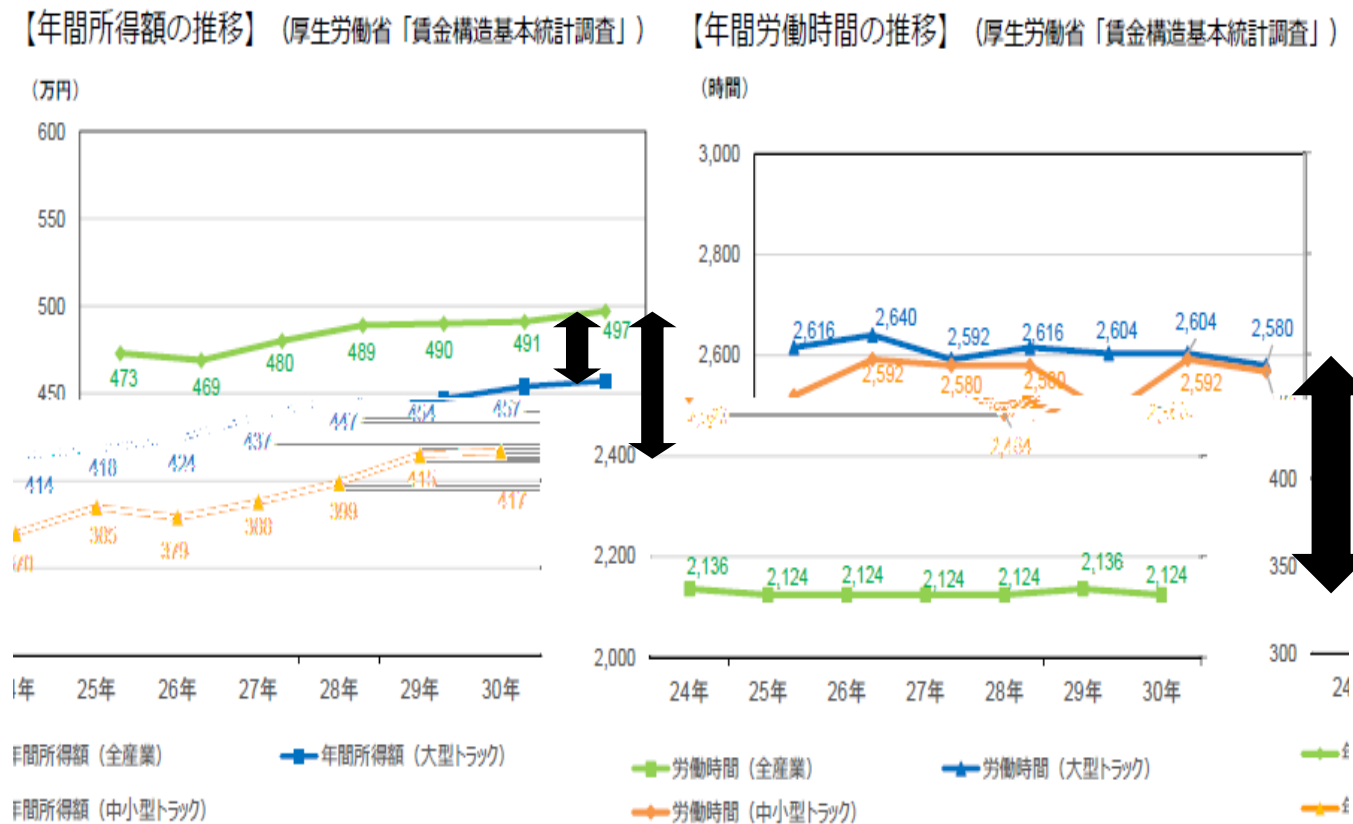
Growing shortage of trucking supply



Labor shortage

Truck drivers are underpaid and work long hours.

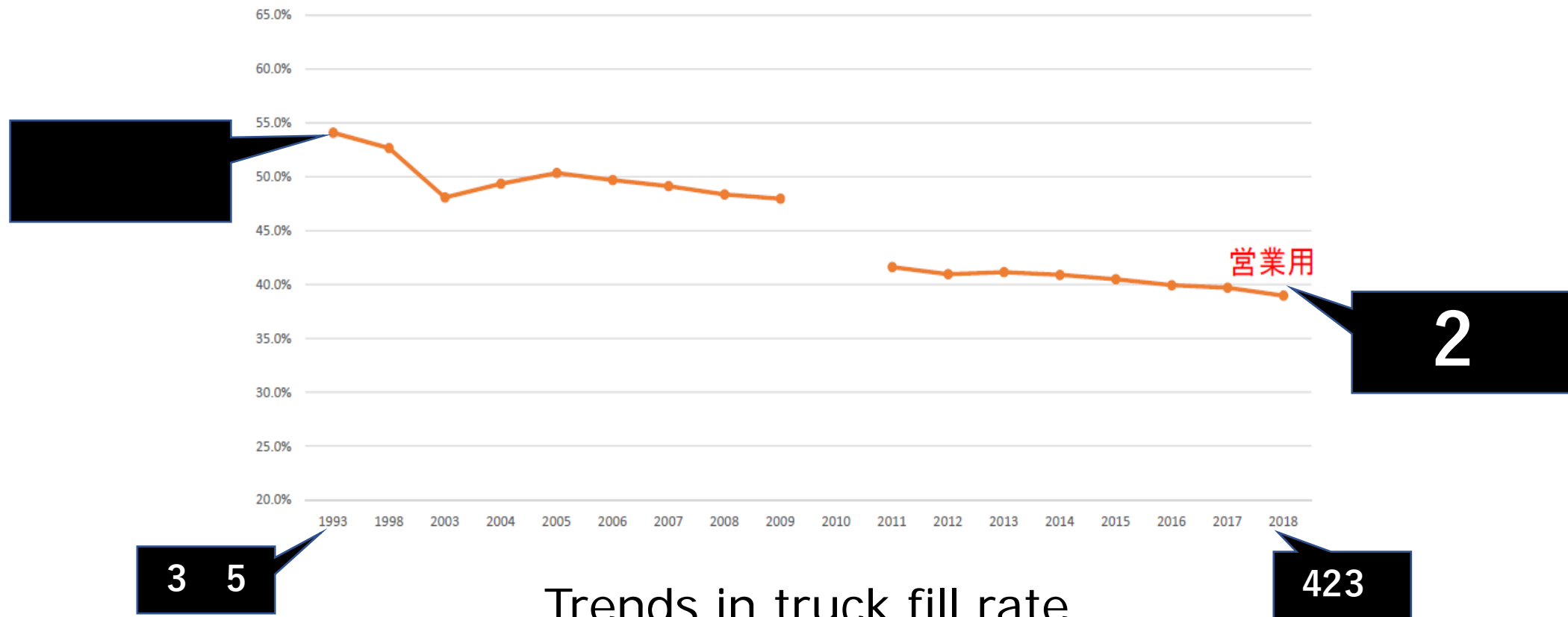
Legend



Trends in annual income and annual working hours of truck drivers

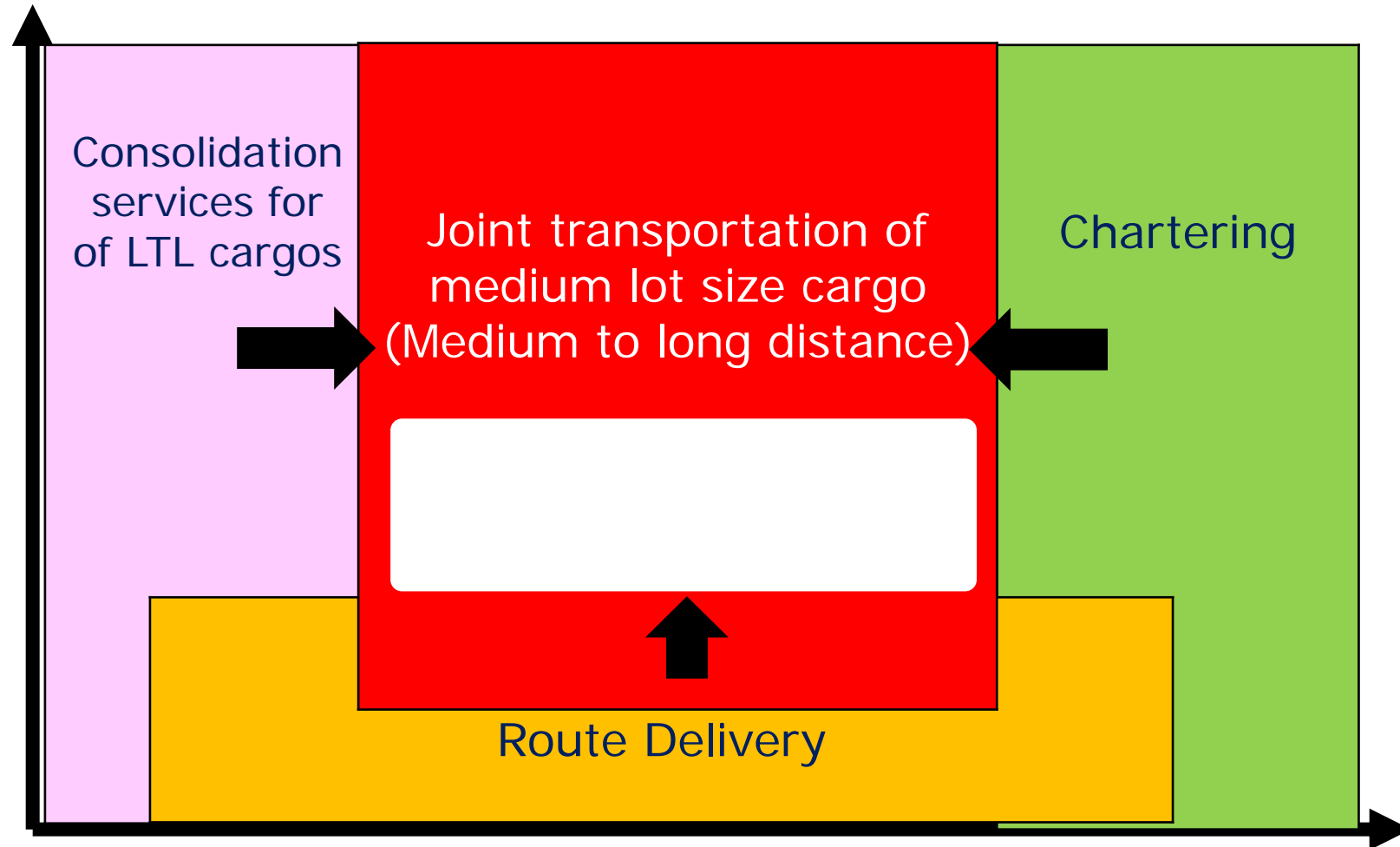
(Quoted from the Ministry of Land, Infrastructure, Transport and Tourism (MLIT), July 2020: Trends in the Logistics Industry)

Truck fill rate continues to decline...

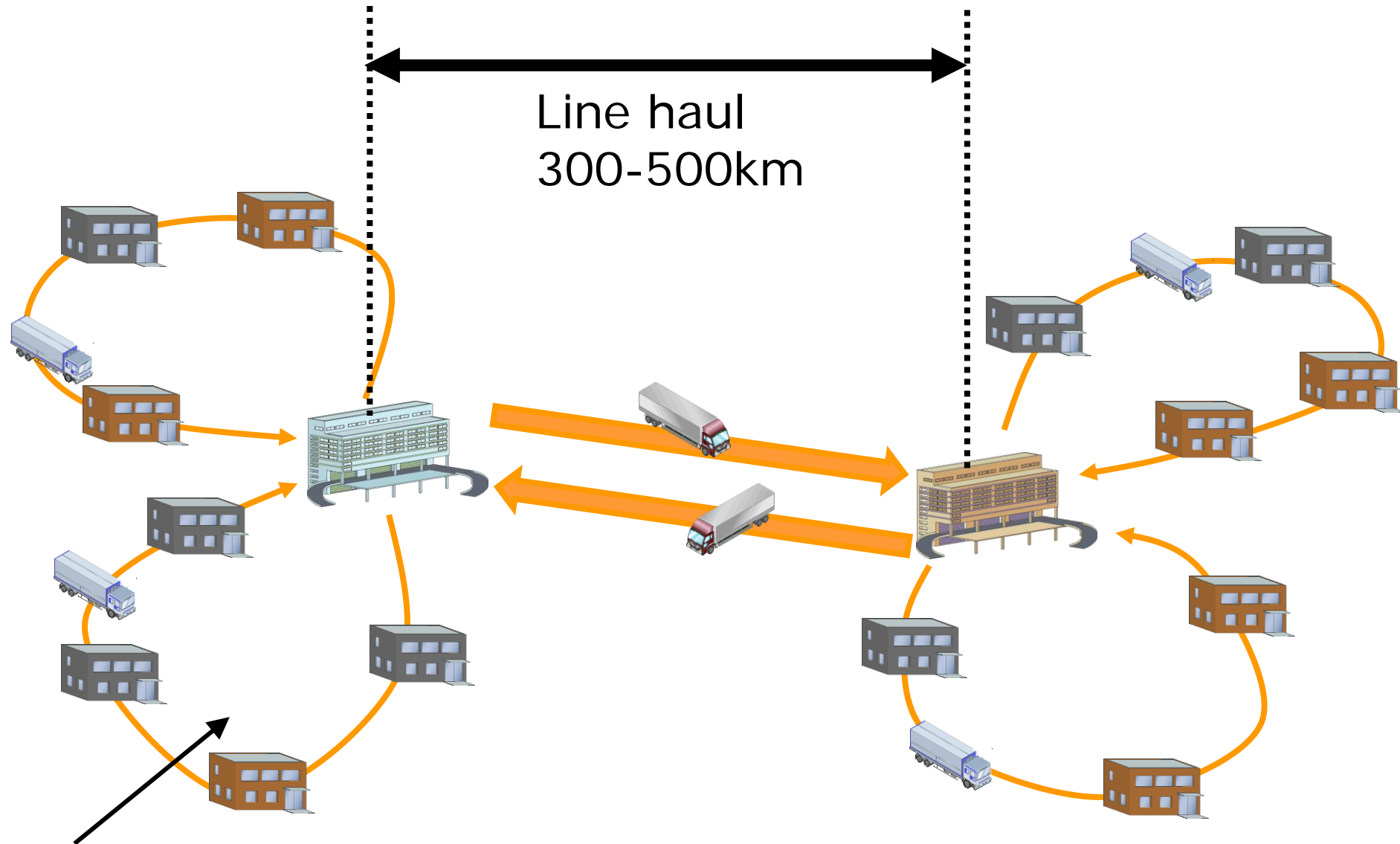


Trends in truck fill rate
(Quoted from the Ministry of Land, Infrastructure, Transport and Tourism's July 2020 report on trends surrounding logistics.)

initiatives target medium lot size moving over medium distances



Basic network structure in



200km in diameter

Four perspectives of problem solving in “

(prior sharing of transportation plans)

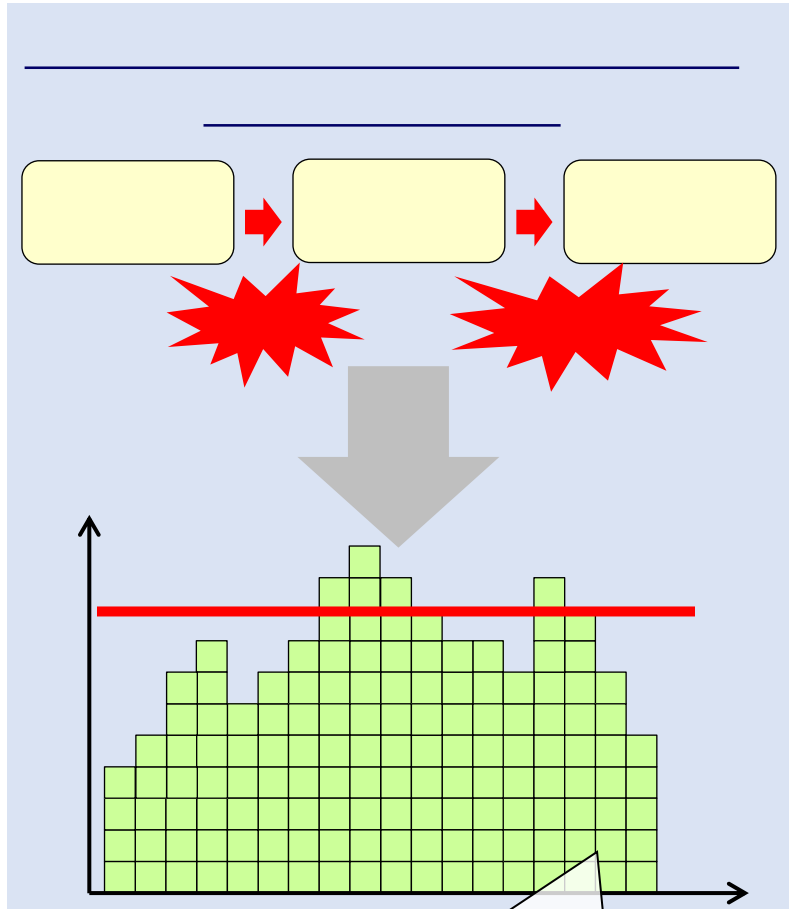
(reduction of inefficient time-sensitive delivery)

(securing stable medium-long range transportation capacity)

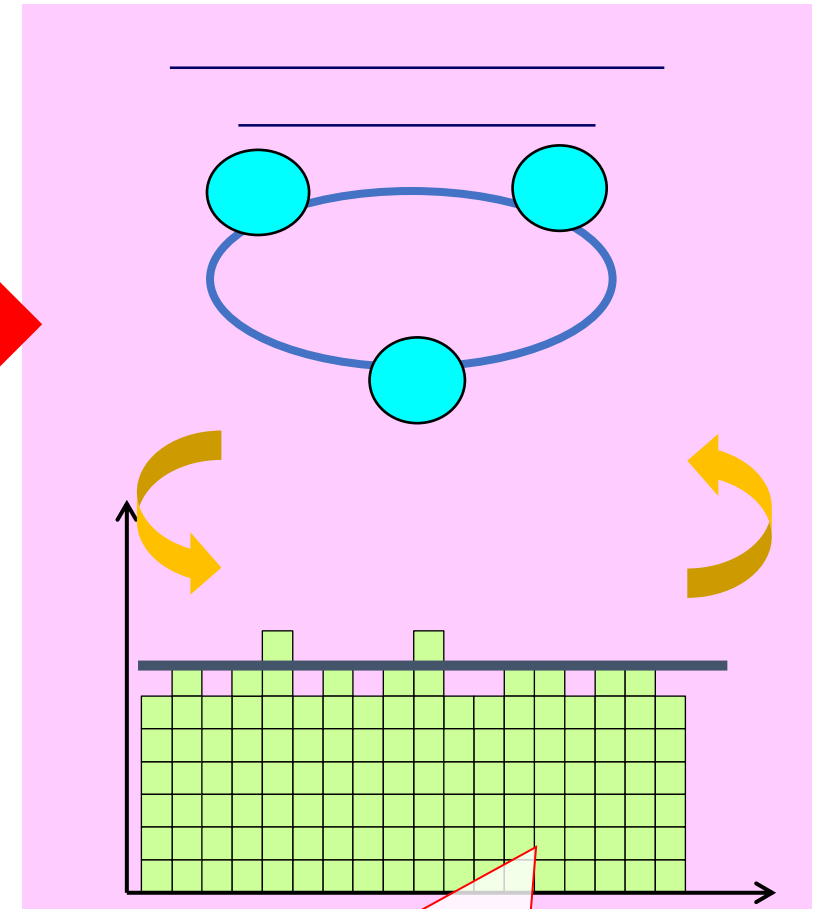
(promotion of joint transportation by companies from different industries)

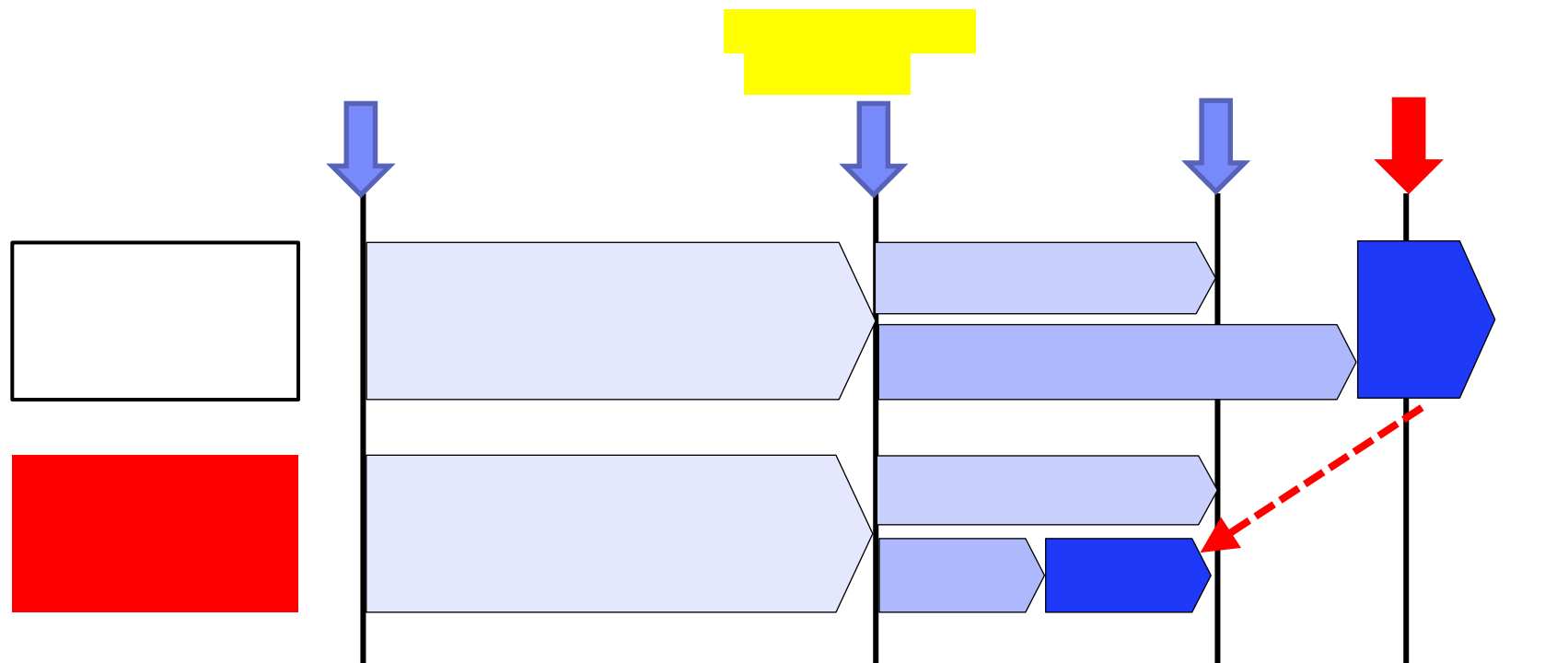
What will be transformed in

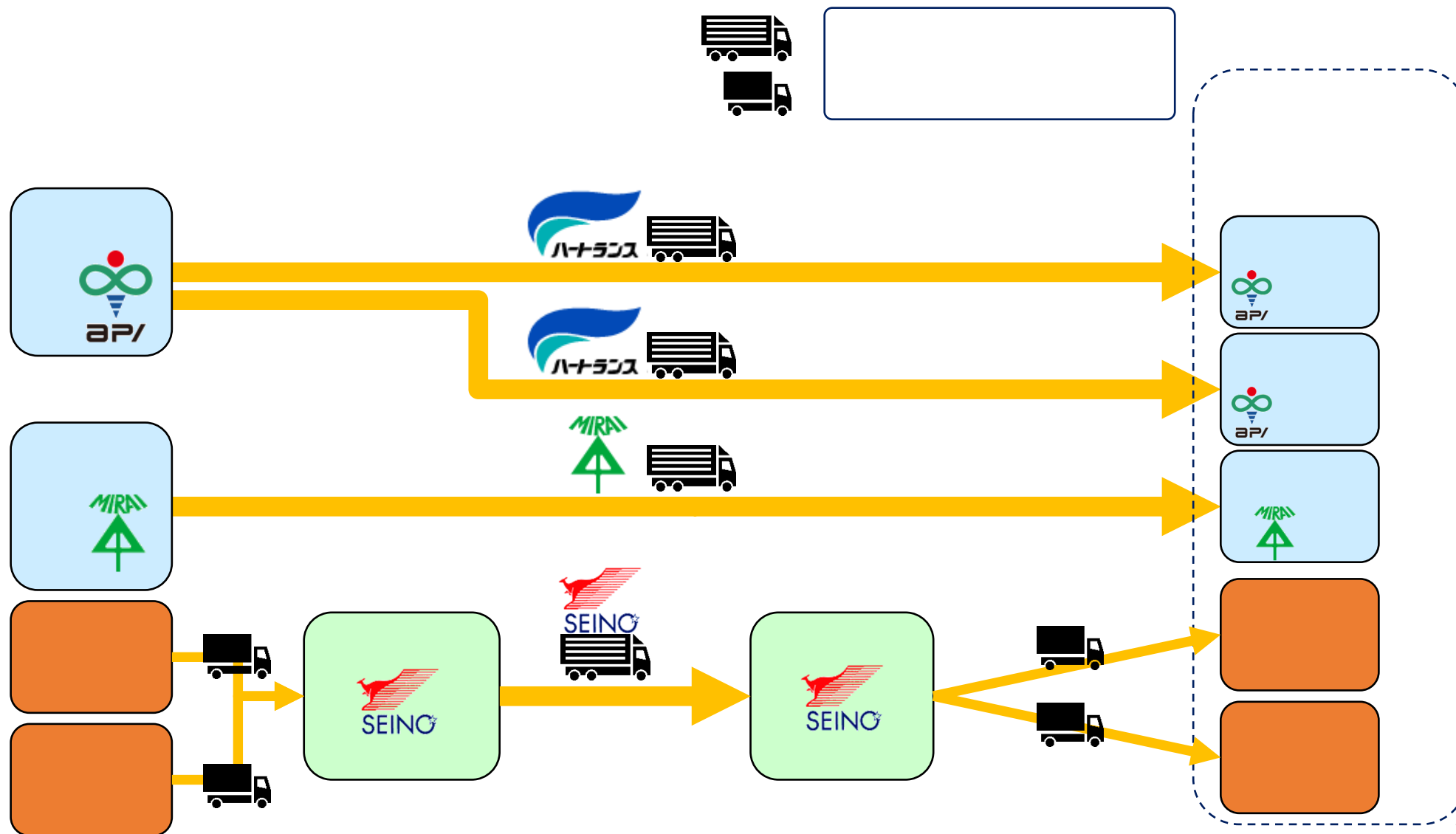
?

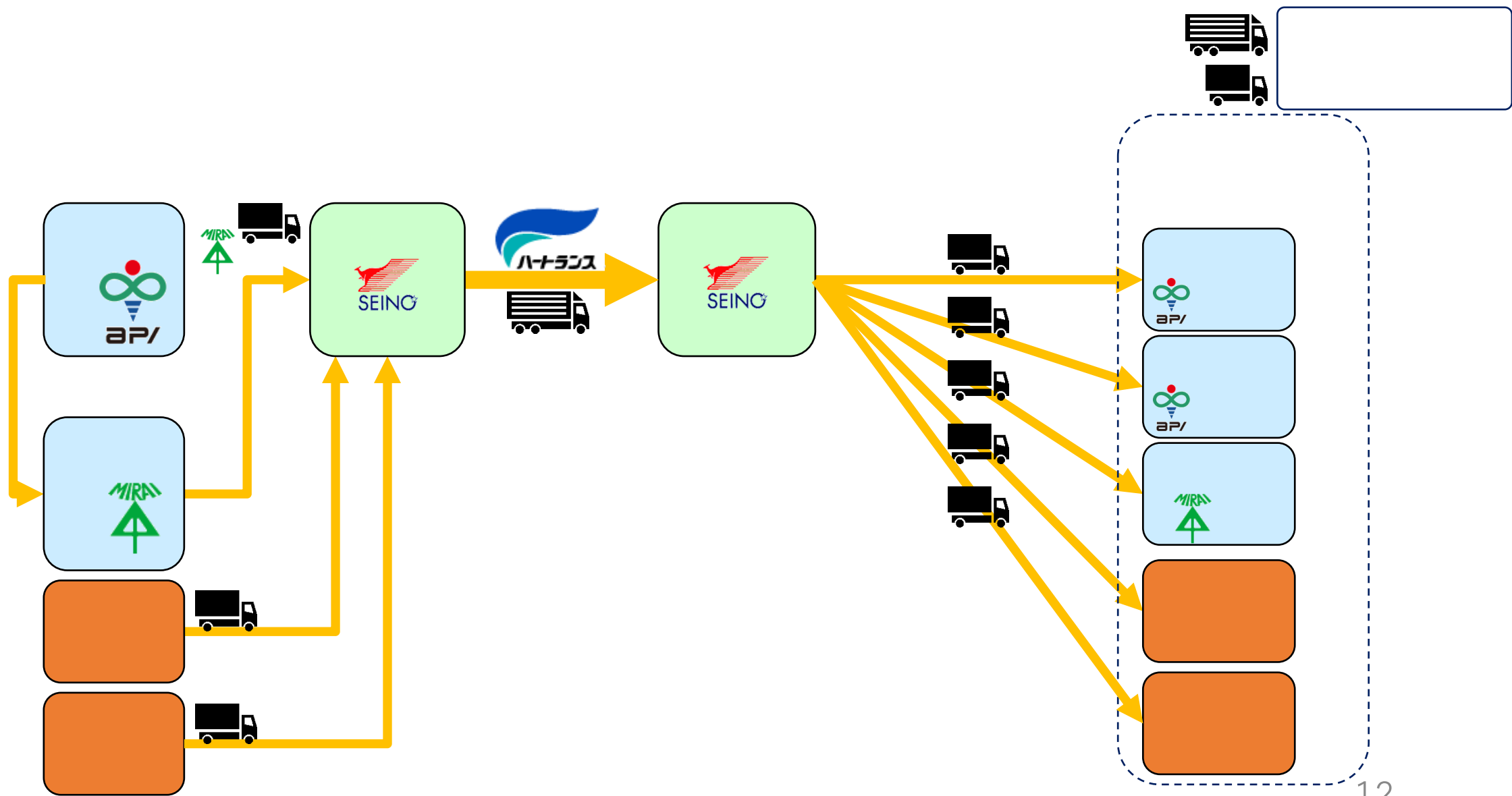


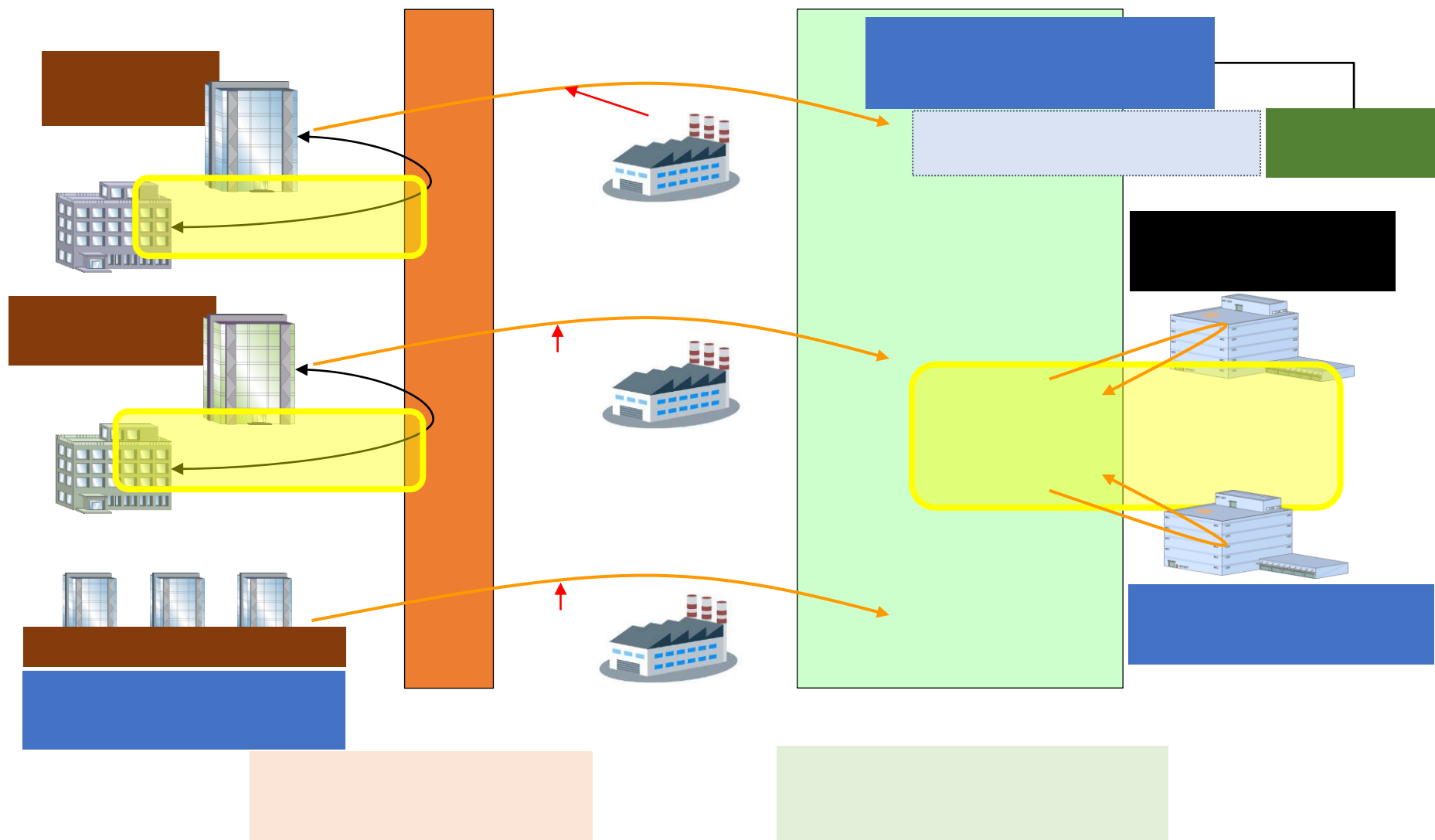
transform

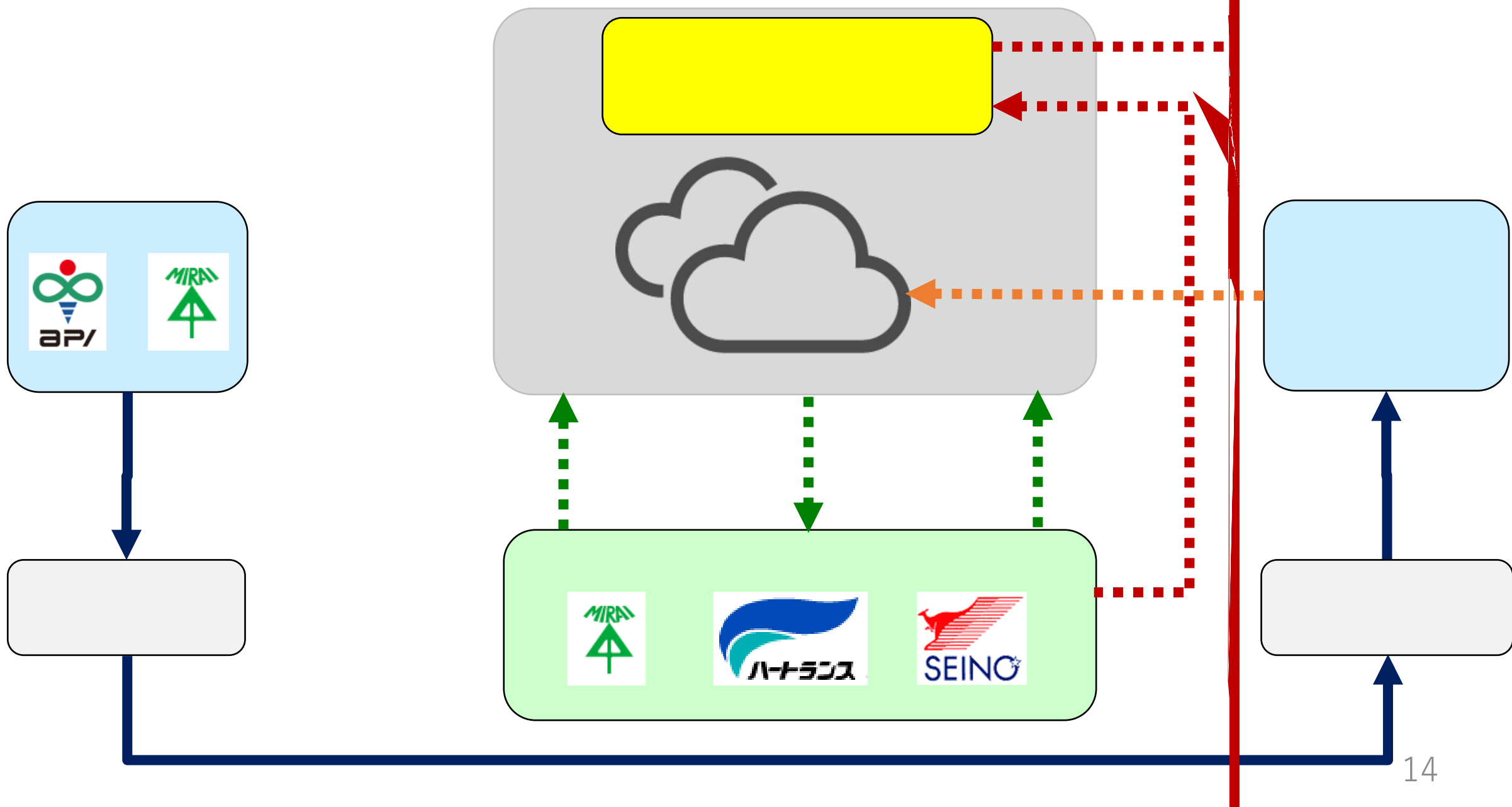




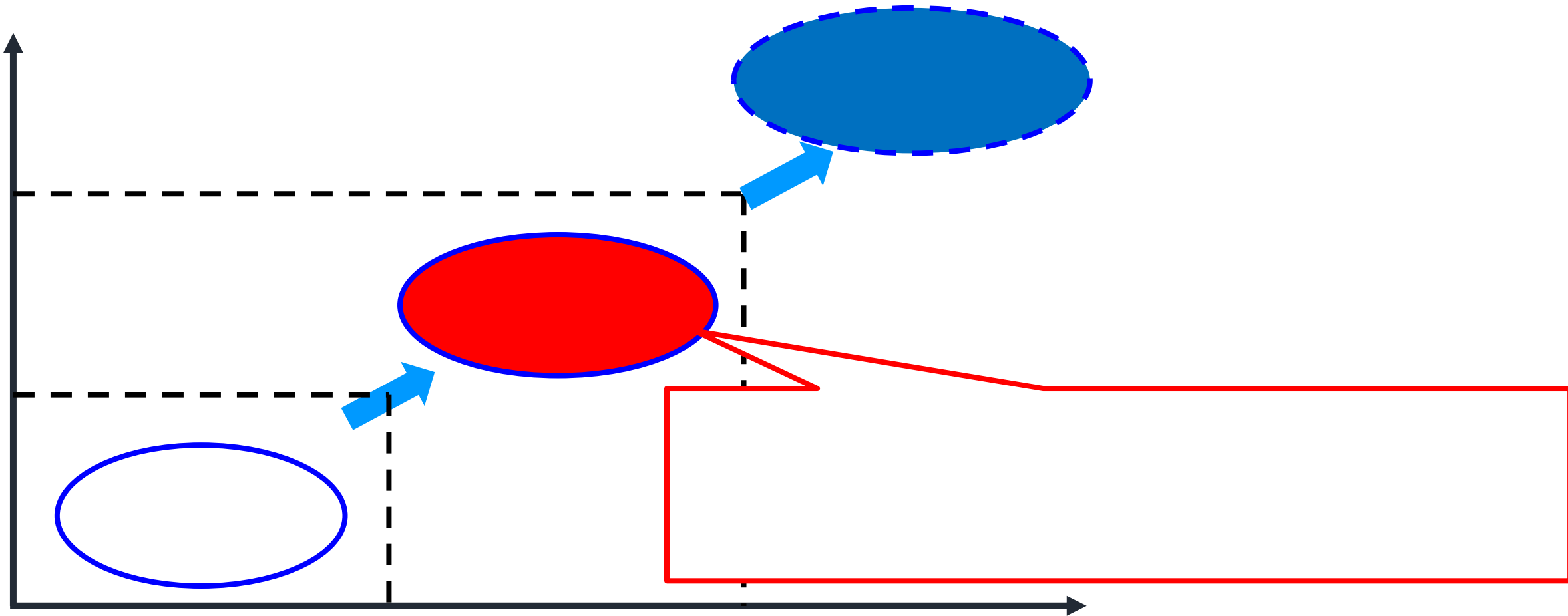


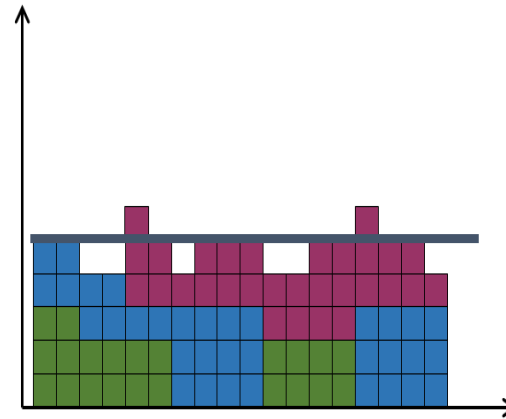
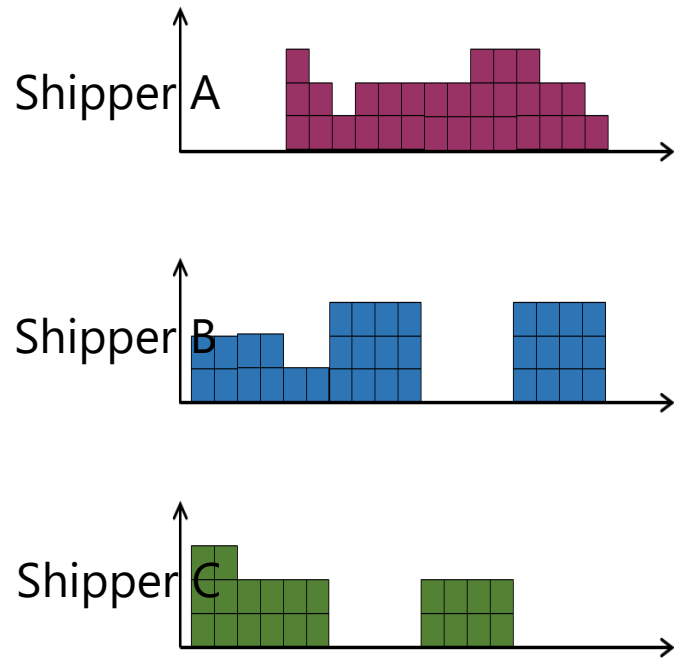












Solve
Lack of resources



Transporters

Offset Logistics peak

